

Joe Hawkins _____

3 Marlin Drive _____

Pittsburg, California 94565 _____

STATE OF CALIFORNIA
State Energy Resources
Conservation and Development Commission

In the Matter of:)	
)	Docket No. 00-AFC-1
Application for Certification for the)	DATA REQUEST
Southern Unit 8 Power plant)	OF: <u>Joe Hawkins</u>
)	7 - 11 -2000
_____)	

To: Southern Company & governing agencies.

I Joe Hawkins requests that you answer the following data request within 30 days. All the information sought is relevant to the proceeding and is in the control of Southern Power plant and governing agencies. The information is not readily available from other sources. The questions are relevant because The other agencies will be issuing a Determination of Compliance in 00-AFC-1 allowing the conclusion that the project will have no significant health impact in this community and is using the highest degree of proper equipment and technology. In answering this data request, you are required to furnish full and complete answers.

1. I request the calculations of how much emissions can be mitigated on site, in US Standards simple mathematics, by the upgrading of the existing units 6 & 7?
2. I request that the best achievable technology (BACT) be considered. Such as The Applicant and the District considering and evaluating two competing technologies, SCONOX and XONON.

SCONOX is a catalytic system that simultaneously oxidizes carbon monoxide ("CO") to carbon dioxide ("CO₂"), hydrocarbons to CO₂ plus water ("H₂O"), and nitrogen oxide ("NO") to nitrogen dioxide ("NO₂"). The NO₂ is then absorbed onto a potassium carbonate-impregnated ceramic-based catalyst. Passing a dilute hydrogen reducing gas across the surface of the catalyst in the absence of oxygen continuously regenerates the catalyst. The hydrogen reacts with nitrites and nitrates to form water and elemental nitrogen. Carbon dioxide in the regeneration gas reacts with potassium salts to form potassium carbonate, which is the absorber coating that was on the surface of the catalyst before the oxidation/absorption cycle began.

3. I request all data and calculations for air cooling as a alternative to water cooling. The reason is because as was brought out in the last informal hearing, the water temperature will be raised several degrees. My concern is the aquatic life in the Delta when that water flows back into the Delta at a much higher elevated temperature. Also the use of large water pumps at the water intake in the Delta as that also can cause many fish to be killed. Our water ways are already hard enough on the aquatic life as it is. With the high levels of mercury and etc...., more physical stresses will only cause a much more lower mortality rate in the aquatic life. Which trickle through out the food chain to the land animals and so forth. Also the salinity of the return water is to be in question which leads to my next request.
4. I request all salinity readings put into simple terms and presented for the existing levels of the water releases into the Delta from the existing units 6 & 7 and calculations of the projected increase in salinity in the Delta caused by unit 8.
5. I request that Impact areas also show the areas of impact as compared to the up to date maps and impact areas rather than the 20 year old maps used in the application by Southern Company which show a population of 20 years ago and does not reflect the true nature of residential impact areas in the Pittsburg, Antioch, Oakley & Brentwood area's.
6. I request that all current and up to date air monitoring be used in showing the true nature of the ambient air and that all residential areas within a 5 mile area at least also have monitoring data for at least a year that is within those neighborhoods and does not reflect the ambient air but the actual real world air pollution levels for all toxins of those area's so as to get a better calculation of the health effects of the children and elderly of those area's.
7. I also request all Title 5 permits on unit's 1 through 7 current emissions? This is important to properly evaluate the current emissions and be able to get a clearer projection on what impacts will and will not be made on the new proposed project, unit 8.
8. I request that all my requests that have numerical figures and calculations be put in simple US standard terms so that a average 8th grader can understand as my math skills have been damaged due to my disability from chemical injury and it is hard to think in mathematical terms now. It would be much easier if it was put into some sort of graphical picture format or charts. Up to date ones that is. This is also for the general lay person to understand, not just myself.

Conclusion:

Southern already said in the informal hearing that their PR or public relations is important to them. Thus, I feel that this operation can actually be of a true benefit to the community

and outlying area if they use the BACT and they mitigate their pollution levels between the Pittsburgh and Antioch plants they already own. Where as Calpine/Bechtel is adding to our pollution levels and even demanding to release more pollution than was originally agreed upon even though they are in violation of Environmental Justice laws already since Pittsburgh is 64% minority, Southern Company on the other hand has it in their power to remove already existing pollution levels. Which can actually improve our air quality here. That is, if they really are concerned about PR with the locals here in this area? If they use the BACT and look at all the alternatives, they could actually be looking at making a difference.

Also something for them to think about. With gas prices going up and consequentially Natural Gas prices going up, should not they start thinking about non-polluting renewable energy and even bio-mass energy production. Bio-mass even though it also is polluting can save on the ozone depleting gases by taking that resource and burning it, changing its off gassing to a safer pollution that otherwise would have destroyed the upper Ozone layer over our planet. That is also in essence good PR. Plus with newer technologies in Fuel Cells it will soon be at a point where even the emissions of Natural Gas or bio-mass are able to be converted to electricity in the new generations of fuel cells with the only by product being H₂O soon. Excellent PR. There is also PV cells and wind power. With all non-renewable sources of energy production raising in rates, this will soon be the best economical solution as the rates go up and so does the electrical production cost go down and the profits are seen far sooner. Super Excellent PR while saving the environment and our health. I hope these alternatives are being looked into? I am sure everyone else does also?

Thank You,

Joe Hawkins



7-11-2000

Date

Signature